

**An Investigation about Pushing Forces of Passengers and Pressure Variation from Passing Vehicles  
Acting on Platform Barriers**

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Platform doors are effective in order to prevent passengers from falling off the platform. Now, these equipments are under installation on main railroad lines. Then a few problems remain: the development of a system adaptable to different arrangements of railway vehicle doors, the reduction of initial costs, and the examination of a construction method adaptable to various structures of platforms. For solutions of these problems, an establishment of proper loading conditions on platform doors is essential, but there are few documents about loads working on platform doors. Then, we investigated pushing forces by people on platforms and pressure variation from vehicles passing through platforms acting on the platform doors.